



# Illinois Zero Waste Grant

Jonathan Burr applied in March of 2009

level II minimum requirements

- recycle white paper
- recycle a min. of two other commodities
- institute 2 required source reduction policies
  - two-sided printing/coping policy
  - use both sides of a sheet of paper before recycling
- institute 3 additional source reduction activities
- compost / vermicompost organic waste
- educate school and community
- conduct 4 waste audits



Bureau of Energy  
& Recycling

*Reduce*

*Reuse*

*Recycle*

green<sup>g</sup> burr

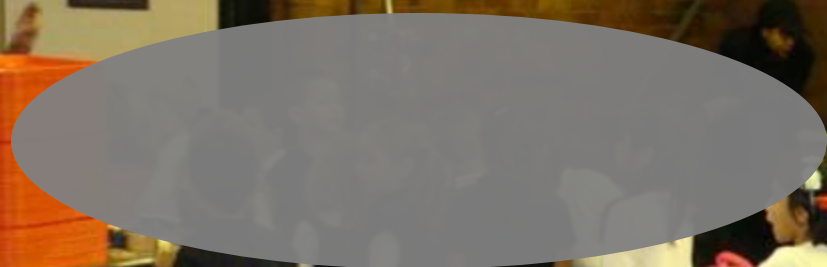
**waste audit**





EXIT

6



PAPER  
♻️  
Newspapers  
Magazines  
Catalogs  
Flyers  
Brochures  
Direct Mail  
Office Paper

PLASTIC  
METAL  
GLASS  
♻️  
Bottles  
Cans  
Jars  
Containers

COMPOSTABLE  
ORGANIC  
SCRAPS  
♻️  
Food Waste  
Yard Waste  
Household Appliances

ALL CARDS  
JUNK MAIL  
♻️  
Business Cards  
Postcards  
Flyers  
Brochures

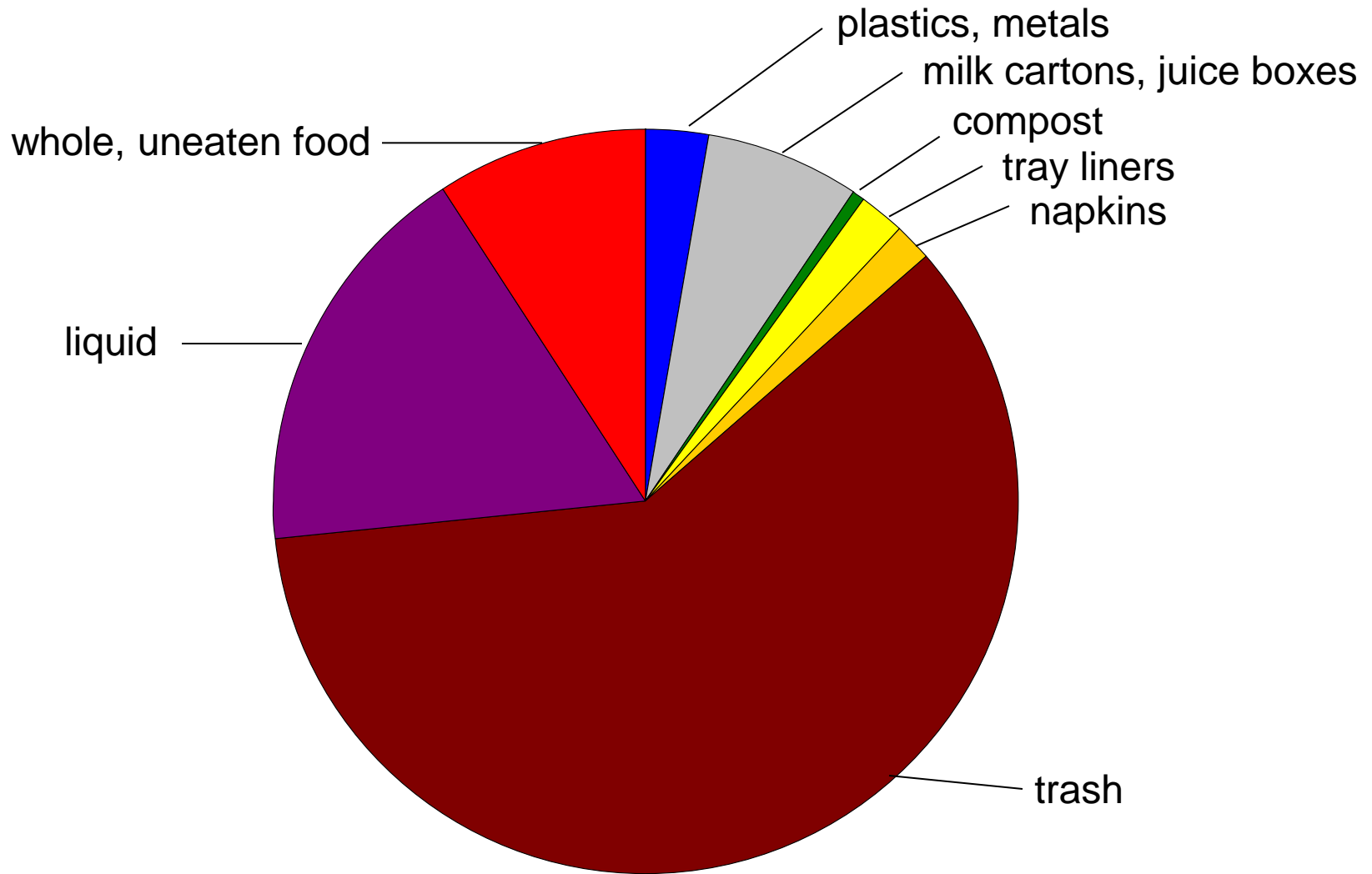








# waste audit results I

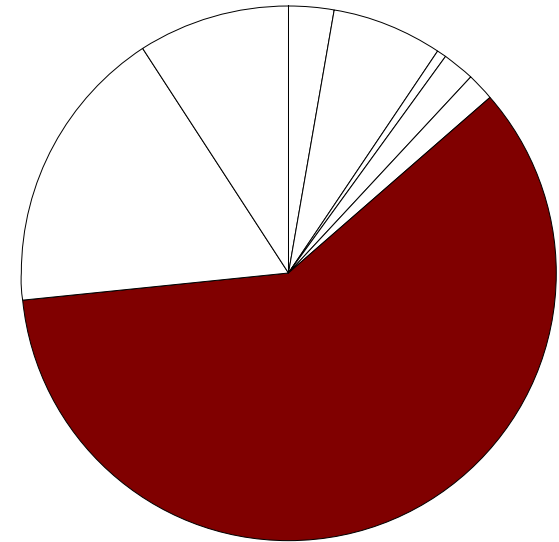


*Reduce*

*Reuse*

*Recycle*

# trash



*Reduce*

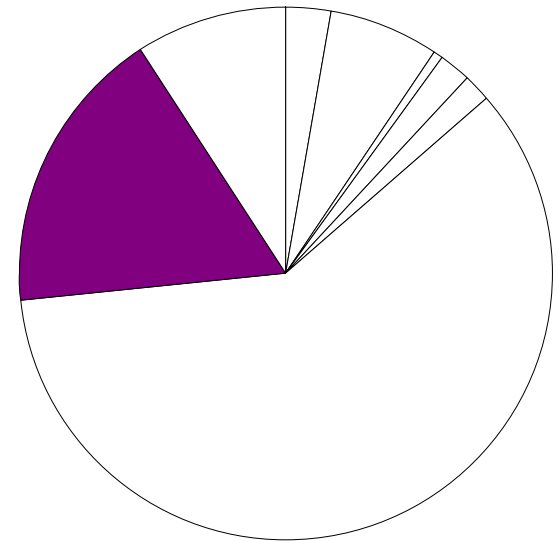
*Reuse*

*Recycle*

green**ing** burr



# liquid



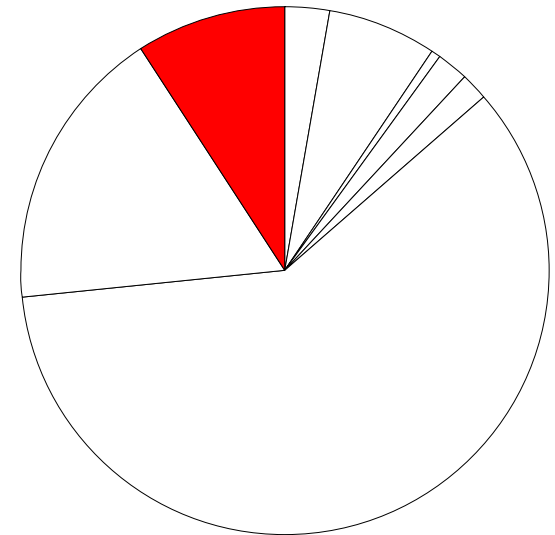
*Reduce*

*Reuse*

*Recycle*

green<sup>ing</sup> burr

# whole, uneaten food



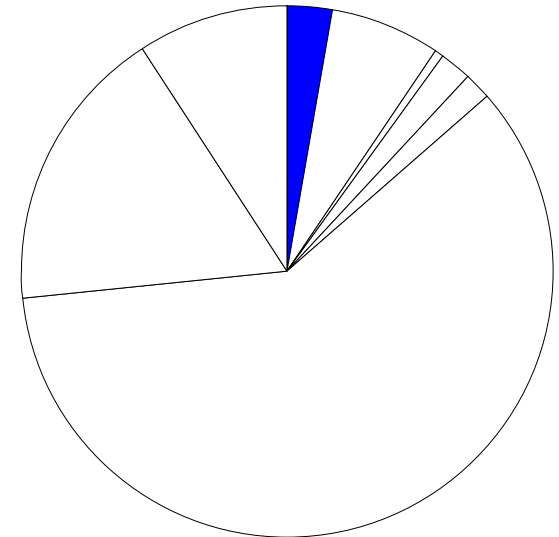
*Reduce*

*Reuse*

*Recycle*

green<sup>g</sup> burr

# plastics, metal



*Reduce*

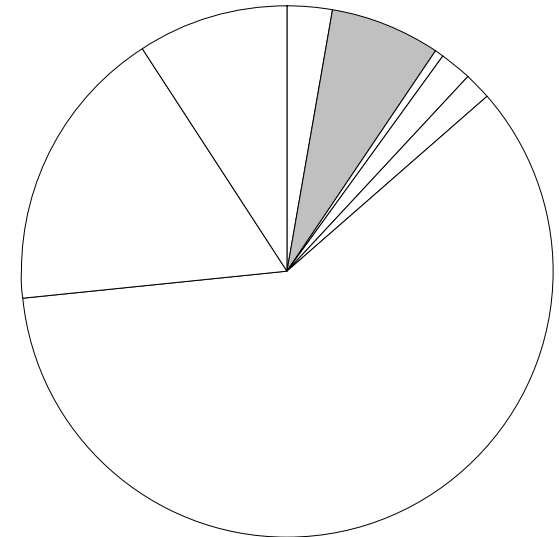
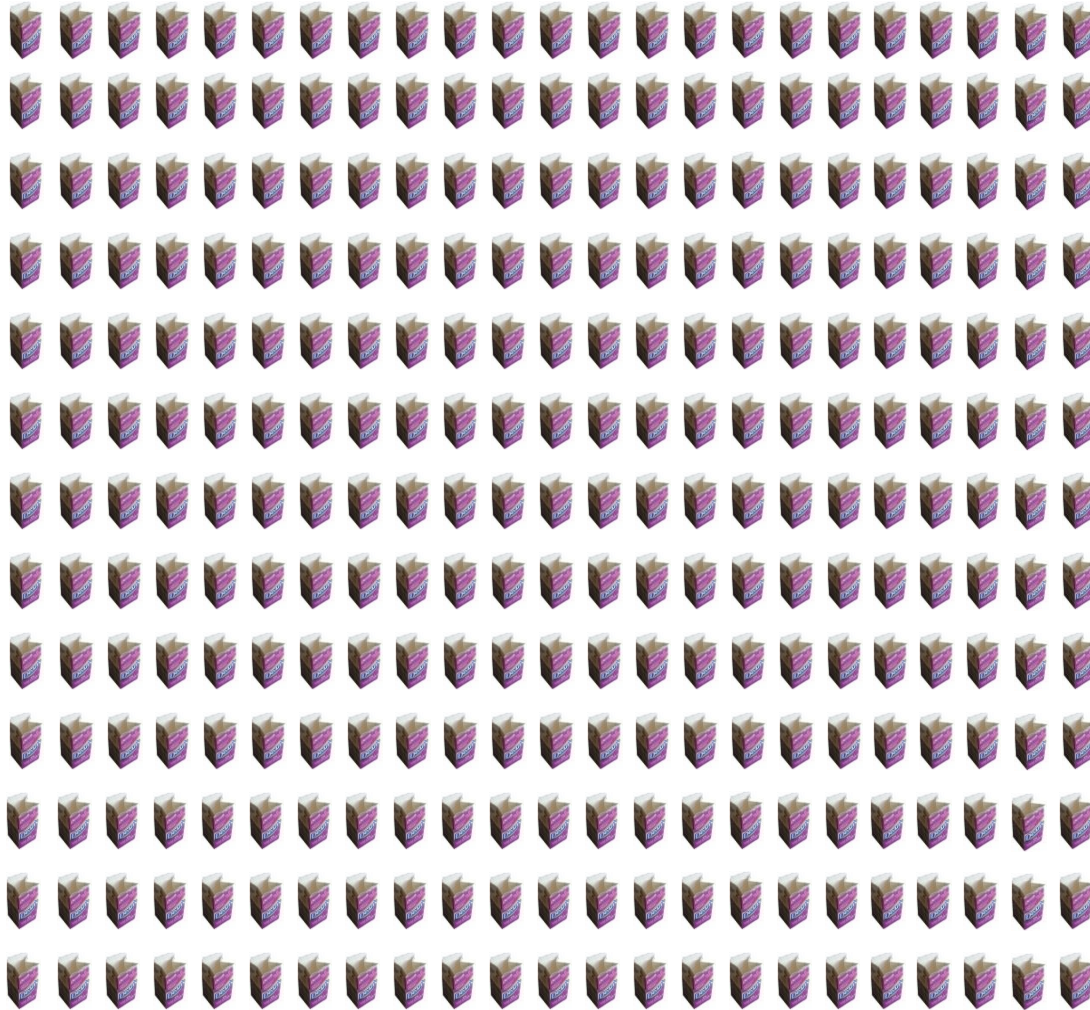
*Reuse*

*Recycle*

green<sup>ing</sup> burr



# milk cartons



*Reduce*

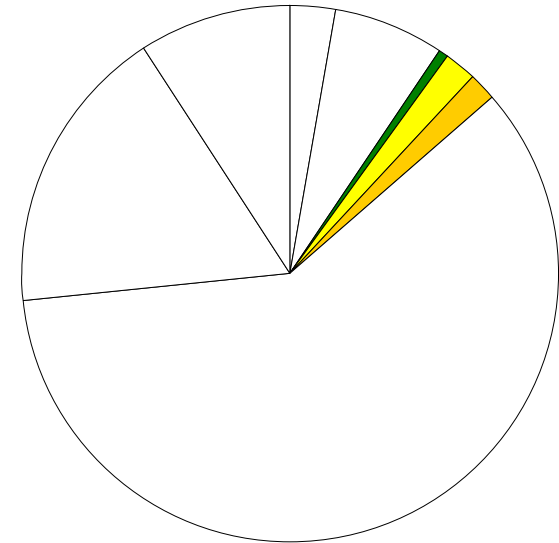
*Reuse*

*Recycle*

green<sup>ing</sup> burr



# compost



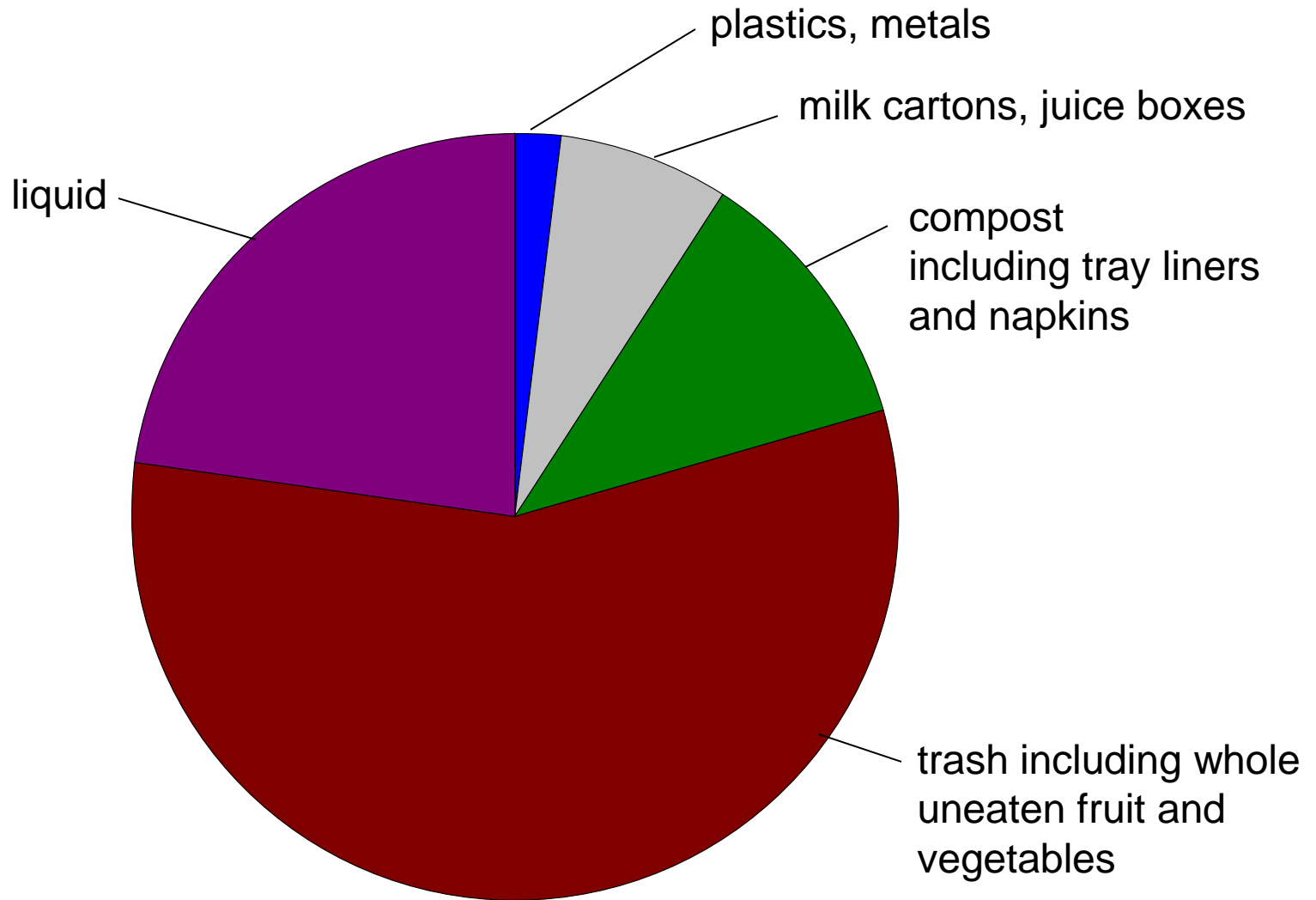
Reduce

Reuse

Recycle

greening burr

# waste audit results II



*Reduce*

*Reuse*

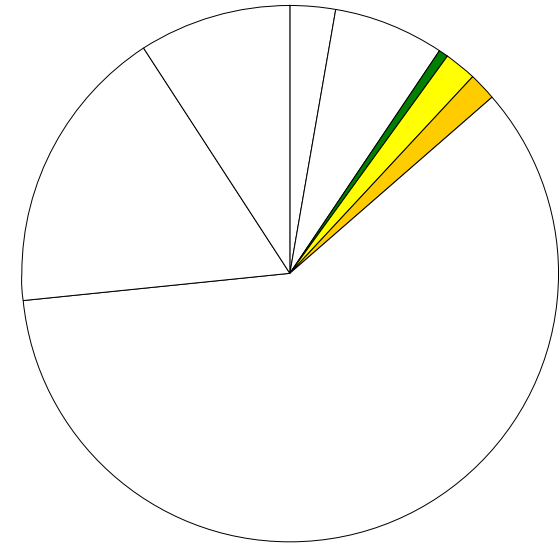
*Recycle*

greening burr





# compost



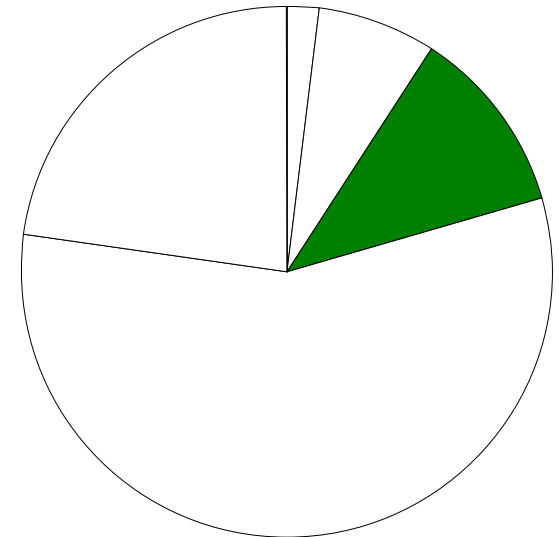
Reduce

Reuse

Recycle

greening burr

# compost II



*Reduce*

*Reuse*

*Recycle*

green<sup>ing</sup> burr

**grant purchases**





# hallway “recycle centers”

## Two-in-one Sorter Busch Systems

- purchased 3
- one located on each floor
- contain a min. of 35% recycled content
- grant required bins to contain 25% post-consumer recycled content
- made in North America



# battery collection tub

## Battery Solutions

- 1 container was donated
- company was not a cps vendor
- 5 gallon



# lunchroom bins

## Waste Watcher

Busch Systems

23 gallon

- purchased 8
  - 2 green – compost
  - 4 blue – recycling
  - 2 gray – milk carton recycling
- contain a min. of 35% recycled content
- grant required bins to contain 25% post-consumer recycled content
- made in North America



# composters

## Mantis CompostT-Twin Composter

- purchased 2
- two 10- bushel capacity bins
- total of 25 cubic feet of raw material





# vermicomposters

## worm bins

- purchased from the University of Illinois Extension and donations
- 7 classrooms participated, each with there own bin



# eco-friendly whiteboard markers

## AusPens

- made from 100% recycled material
  - aluminum
  - plastic recycled from discarded inkjet cartridges
- they use non-toxic ink
  - do not contain xylene
- refillable
- recyclable
- still work 48 hours after cap is off
- durable & tip is reversible so it can be reused
- cost less than disposable markers





or



*Reduce*

*Reuse*

*Recycle*

greening burr

# overhead projection

## document cameras

- purchased 5
- the use of the document cameras with the projectors eliminates the needs to make overhead sheets

## projectors

- purchased 3





**implementing the grant**



# education



**Jonathan Burr Elementary has received the Illinois Zero Waste School Grant in the amount of \$10,000!**

**dceo** Sponsored by The Illinois Department of Commerce and Economic Opportunity, Bureau of Energy and Recycling **IL DNR**

The IL Zero-Waste Schools Grant Program encourages schools across Illinois to strive to reach zero-waste status, where virtually all waste generated at the school is reduced, reused, recycled or composted.

The following will be implemented for the 2009-2010 school year:

Recycling	Source Reduction	Composting
<ul style="list-style-type: none"> <li>Paper products</li> <li>Cardboard</li> <li>Aluminum</li> <li>Plastics 1-5 &amp; 7</li> <li>Glass</li> <li>Batteries</li> <li>Books</li> <li>Print cartridges</li> <li>Electronics</li> </ul>	<ul style="list-style-type: none"> <li>Two-sided copying policy</li> <li>Use both sides of paper</li> <li>Use of overhead projectors</li> <li>Special events</li> <li>Water-free lunches</li> <li>Waterless container exchange</li> </ul>	<ul style="list-style-type: none"> <li>Compost school's organic waste</li> </ul>

The grant funds will cover the cost of the following:

<ul style="list-style-type: none"> <li>Recycling bins</li> </ul>	<ul style="list-style-type: none"> <li>3 Elmo projectors</li> <li>3 LCD projectors</li> <li>Hand dryer</li> <li>Kidz price (Non-toxic, reusable, whiteboard pens)</li> </ul>	<ul style="list-style-type: none"> <li>Composting bin</li> <li>Worm composting (baiting composting)</li> </ul>
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Program will be implemented through the teamwork of the **Friends of Burr Green Team**, **Burr After-School Green Club**, and **Burr Administration**.

**friends of BURR SCHOOL** **greening burr**

This was printed on 100% post-consumer recycled paper.

**We Recycle**

**friends of BURR SCHOOL** **greening burr**

What?	Where?	Becomes?
Empty milk cartons Empty juice boxes <i>No drinks</i>	Gray bins	Recycled into cardboard again
Full tops from fruit containers Empty water bottles Empty yogurt containers Metal food containers Aluminum foil Pop cans	Blue bins	Plastic bottles become floor coating and carpeting. Tin cans become new metal for construction projects. Aluminum cans become new aluminum cans.
Unwashed vegetables and fruit (no applesauce or fruit from full sugary "trap" items baggies	Green bins	Food scraps become a resource that can be used to replenish nutrients in soils to grow more food.
Fruit containers served by school Cardboard food containers from school Dinner Plastic aluminum Plastic bags Chip bags Straws of any kind Coffee filter pouches Plastic wrap Unrecyclable food Greasy pizza	Garbage cans	Landfills are running out at a rate of one a day. There is no such garbage in the world, that a benefit in New York can be seen from space.

**With Your Own TWO HANDS**

"I can change the world, with my own two hands. Make it a better place, with my own two hands..."

Photo credit: Friends of Burr School





# organizing the tray



compost

milk



plastic /  
metal

garbage

*Reduce*

*Reuse*

*Recycle*

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## compost



tray liners



napkins



fresh, uncooked  
vegetables



fresh, uncooked,  
unsweetened  
fruit

## garbage



pasta  
bread  
meat  
cheese



cooked or  
sweetened,  
fruit &  
vegetables

green'ng burr

## recycle paper / cardboard



clean  
cardboard  
trays



freezer boxes



place tray liners  
and napkins  
in compost bin

## garbage



coated cardboard  
that food is  
cooked in



dirty  
cardboard  
trays



coffee cups

green'ng burr

## recycle plastic / metal



empty plastic  
containers



empty cans  
aluminum foil  
metal lids

## garbage



plastic films  
plastic bags



plastics  
styrofoam  
straws  
silverware



chip bags  
wrappers  
condiment bags

green'ng burr

## recycle milk cartons



fully opened  
milk cartons



completely  
empty  
milk cartons



no straws

## garbage



juice boxes  
juice pouches  
milk boxes



straws

green'ng burr















JONATHAN BURN  
ELEMENTARY OL







## PLASTIC • METAL • GLASS



**Metal food containers**  
Contenedores  
metálicos  
de alimentos



**Glass jars  
and bottles**  
Botellas y  
envases  
de vidrio



**Yogurt containers**  
Envases de yogur



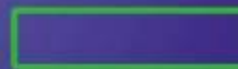
**Pop cans**  
Latas pop



**Water bottles**  
Botellas de agua



**Aluminum foil**  
Lámina de aluminio



## PAPER • CARDBOARD



**White/mixed paper**  
Papel blanco y mixto



**Glossy paper**  
Papel satinado



**Cardboard**  
Cartón



**Newspaper**  
Diario



**Paperback books**  
Libros de bolsillo



**Empty paper rolls  
and tissue boxes**  
Tubos de cartón y  
cajas de pañuelos



**Junk mail**  
Propaganda



**Manilla folders**  
Carpetas de manila



**Paper bags**  
Bolsas de papel

## GARBAGE CANS



**Chip bags  
and wrappers**  
Las bolsas de  
sabritas y  
envolturas



**Capri Sun  
pouches  
and straws**  
Contenedores  
de Capri Sun  
y pajillas



**Sucker sticks**  
Lollipop  
palos



**Plastic #6**  
Plástico #6



**Plastic bags**  
Sin bolsas  
de plástico



**Styrofoam**  
Espuma de  
poliestireno



**Cardboard  
coffee cups**  
Tazas de café  
de cartón



**Tissues/paper towels**  
Pañuelo de papel



**Carbon paper**  
Papel carbón



**Wrapping paper**  
Papel de embalaje



**Pens/pencils/markers**  
Plumas/lápices/marcas



**Sticker backing paper**  
Etiqueta de papel



# compost presentation day

- the University of Illinois Extension, Urban Gardening: Youth Programs, came out to Burr School for a day of presentations
- the vermicomposting presentations were held within the individual classrooms, which included setting up the worm bins
- the tumbler composting presentation were held outside in the playground after school and were open to parents and families



















November 4, 2009


Maja + Victor


Back  
addition



4 things

air  
food  
water  
shelter

Te

OK!   
coffee filter  
grounds  
cooled down  
tea/bag  
apple core/peels  
banana peels  
potato peels  
carrot top/peel  
cooking

  
BIG CHUNKS  
MEAT/ANIMAL  
MILK  
EGGS  
HAIR  
FEATHERS  
ANTS  
ICE CREAM  
BREAD  
MAC & CHEESE  
PIZZA

  
  
Citrus - orange, grapefruit, lemon, lime  
chives, garlic  
deodorant oil

# A GUIDE TO THE S



Capitalization









# composting



*Reduce*

*Reuse*

*Recycle*

greening burr













# **and the winner was....**

“The plants that grew the best were the ones in the mixture of compost and soil. They literally grow ten times faster than the all the other ones. It was amazing to see and track the growth.”











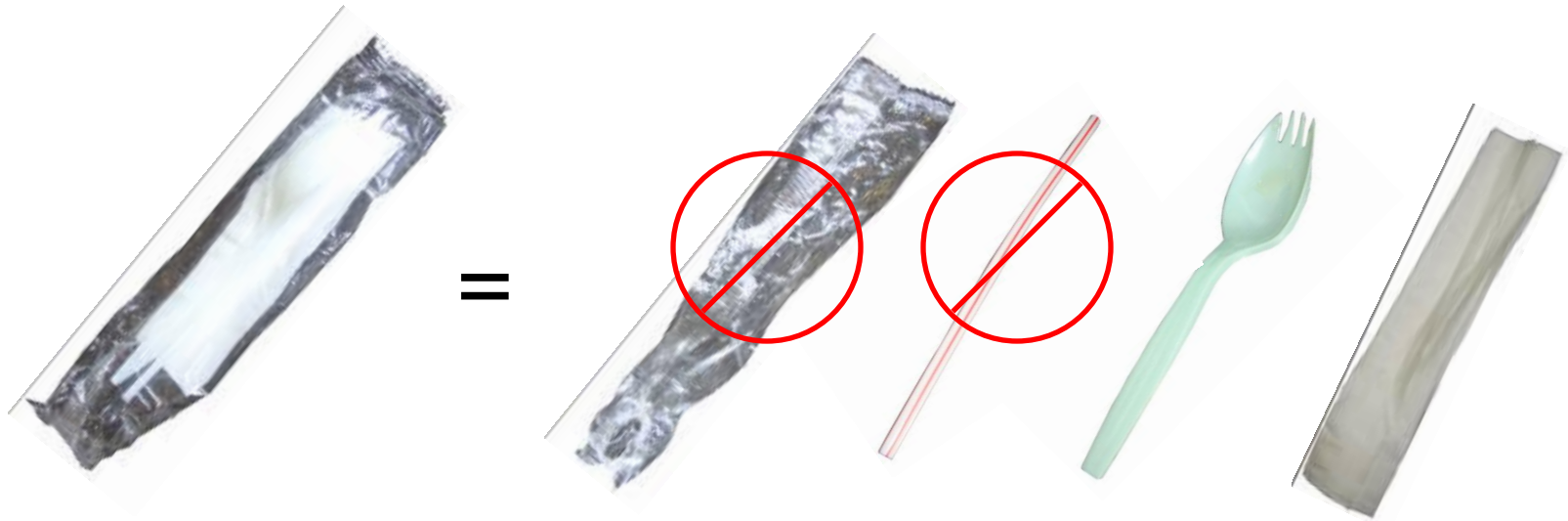


**next steps**





# eliminate prepackaged utensils



*Reduce*

*Reuse*

*Recycle*

green<sup>ing</sup> burr

